



US Army Corps
of Engineers
Seattle District

Public Notice of Application for Permit

Regulatory Branch
Post Office Box 3755
Seattle, Washington 98124-3755
Telephone (206) 764-3495
ATTN: Susan Glenn, Project Manager

Public Notice Date: April 20, 2005
Expiration Date: May 20, 2005
Reference: 200500264
Name: Snohomish County Public Works

Interested parties are hereby notified that an application has been received for a Department of the Army permit in accordance with Section 404 of the Clean Water Act for certain work described below and shown on the enclosed drawings.

APPLICANT: Snohomish County Public Works
2930 Wetmore Avenue
Everett, Washington 98028
ATTN: Mr. Crilly Ritz
Telephone: (425) 388-3488, ext. 4586

LOCATION: In the South Fork Stillaguamish River near Robe, Snohomish County, Washington.

WORK: Construct five (5) rock vanes along 740 lineal feet of river bank. The rock vanes would be angled into the current in an upstream direction at 25 degrees to the tangent of the river bank. Each vane would be approximately 140 feet long and would vary in height from 4 to 7 feet above the streambed at the bank line. All bank sloping activities and areas disturbed by construction activities will be revegetated with shrubs, trees, and appropriate ground cover. The portion of the project that is set into the bank trench will be covered with soil and planted with native trees and shrubs.

The rock vanes will be installed during low flow conditions, and to the extent practicable would not be placed in the active river flow zone at the time of installation. The volume of quarry rock totals 4,928 cubic yards.

In addition, Large Woody Debris (LWD) will be placed between the rock vane structures. LWD consists of large tree trunks with intact root wads. This LWD will be anchored by streambed material excavated for the vane foundations. Additional LWD is proposed along the downstream face of each vane.

The design is intended to slow the river velocity near the bank and to direct the river current around and over the outer end of each vane. Flows overtopping the vanes would be directed back to the main channel. Overtopping flows are expected to form deep pools as the current scours the river bed on the downstream side of the vanes. This scouring action would sort the gravel and cobbles and eventually help to form suitable spawning substrate at the downstream end of each pool.

PURPOSE: To prevent further migration of the river channel and to provide protection from river scour and erosion to the riverbank and upland areas.

ADDITIONAL INFORMATION: This action is undertaken under the provisions of Section 216 of Public Law 81-516, Emergency Watershed Protection Program, and Title IV of the Agricultural Credit Act of 1978, Public Law 95-334. The NRCS is authorized to assist Snohomish County (the sponsor) in relieving hazards created by natural disasters that caused a sudden impairment of a watershed. Both NRCS and Snohomish County

have agreed to install emergency watershed protection measures to relieve hazards and damages created by streambank erosion caused by recent flooding on the South Fork Stillaguamish River.

ENDANGERED SPECIES: The Natural Resources Conservation Service (NRCS) is the federal lead agency responsible for Endangered Species Act (ESA) coordination. The ESA of 1973, as amended, requires assessment of potential impacts to listed and proposed species. The bald eagle (*Haliaeetus leucocophalus*), threatened, Coastal/Puget Sound bull trout (*Salvelinus confluentus*), threatened, and Puget Sound Chinook (*Oncorhynchus tshawytscha*), threatened, have been listed in the state of Washington, and may occur in the proposed project area. The NRCS, as the federal lead agency for ESA consultation, has begun consultation with the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (USFWS) as required under Section 7 of the ESA and will provide concurrence letters when the consultation is completed.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact approximately 1.5 acres of EFH for Pacific salmon in the project area. The NRCS, as the federal lead agency for a determination regarding EFH, has begun consultation with NMFS. Results of the EFH consultation will be submitted when the consultation is completed.

CULTURAL RESOURCES: The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible and other sources of information. An historic properties investigation has been conducted within the permit area. No sites determined eligible for or listed on the National Register of Historic Places were found to exist within the permit area. The District Engineer invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns with historic properties in the area. This public notice initiates consultation under Section 106 of the National Historic Preservation Act (36 CFR 800.4[a][3]), with any Tribe that has information or concerns with historic properties in the proposed permit area.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers (Corps) is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the

preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The proposed discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the Clean Water Act. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

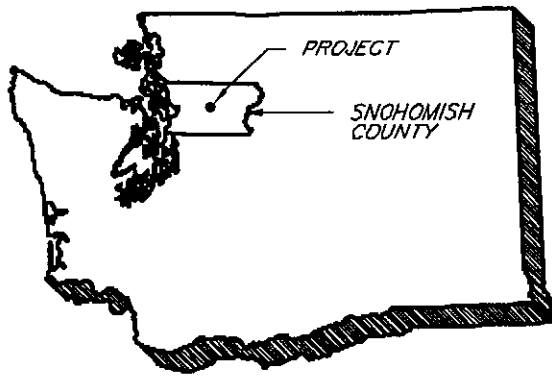
ADDITIONAL EVALUATION: The State of Washington is reviewing this work for consistency with the approved Washington Coastal Zone Management Program and for compliance with the applicable State and Federal water quality standards pursuant to Section 401 of the Clean Water Act.

This proposal is the subject of a Shorelines Substantial Development Permit being processed by Snohomish County.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. All e-mail comments should be sent to Susan.S.Glenn@usace.army.mil. Conventional mail comments should be sent U.S. Army Corps of Engineers, Regulatory Branch, Post Office Box 3755, Seattle, Washington, 98124-3755. Both conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration. Please include the following name and reference number:

Snohomish County Public Works, 200500264

Encl
Drawings (10)



WASHINGTON STATE
NTS

ROBE VALLEY EMERGENCY WATERSHED PROTECTION PROJECT

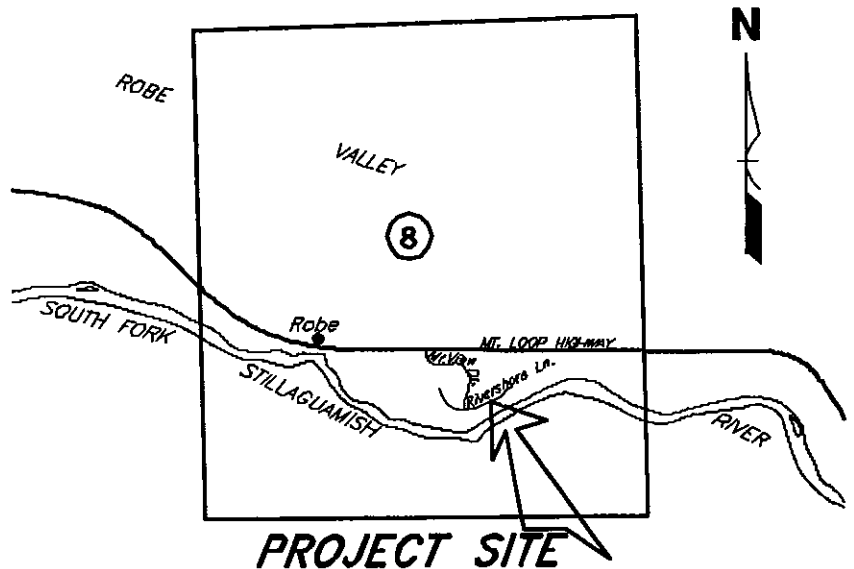
VERLOT RIVERFRONT TRACTS AT RIVERSHORE LANE

PROJECT LOCATION

LATITUDE 48° 05' 15"
LONGITUDE 121° 48' 00"
SEC 8, T30N, R8E

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VICINITY MAP

0 2000
Scale in feet

PURPOSE: SHORELINE STABILIZATION
EMERGENCY WATERSHED PROJECT

DATUM: NAD 83 (NORTH ZONE)

ADJACENT PROPERTY OWNERS:

Lot 31 Steven D & Marjorie A Zehrung
Lot 32 Glen W Gronning
Lot 33 Matthew J Paulsene
Lot 34 Robin L & E Kristine McDuffy
Lot 35 Marcella L Bond
Lot 36 Tony D & Lauren E Greene

Lot 37 Robert L & Sherry A McDuffy
Lot 38 Karr J & Gerald N Doyle
Lot 39 Harold & Florence Haun
Lot 40 Brian P Glendenning
Lot 41 E Wayne Kelln

WATERWAY: SOUTH FORK
STILLAGUAMISH RIVER

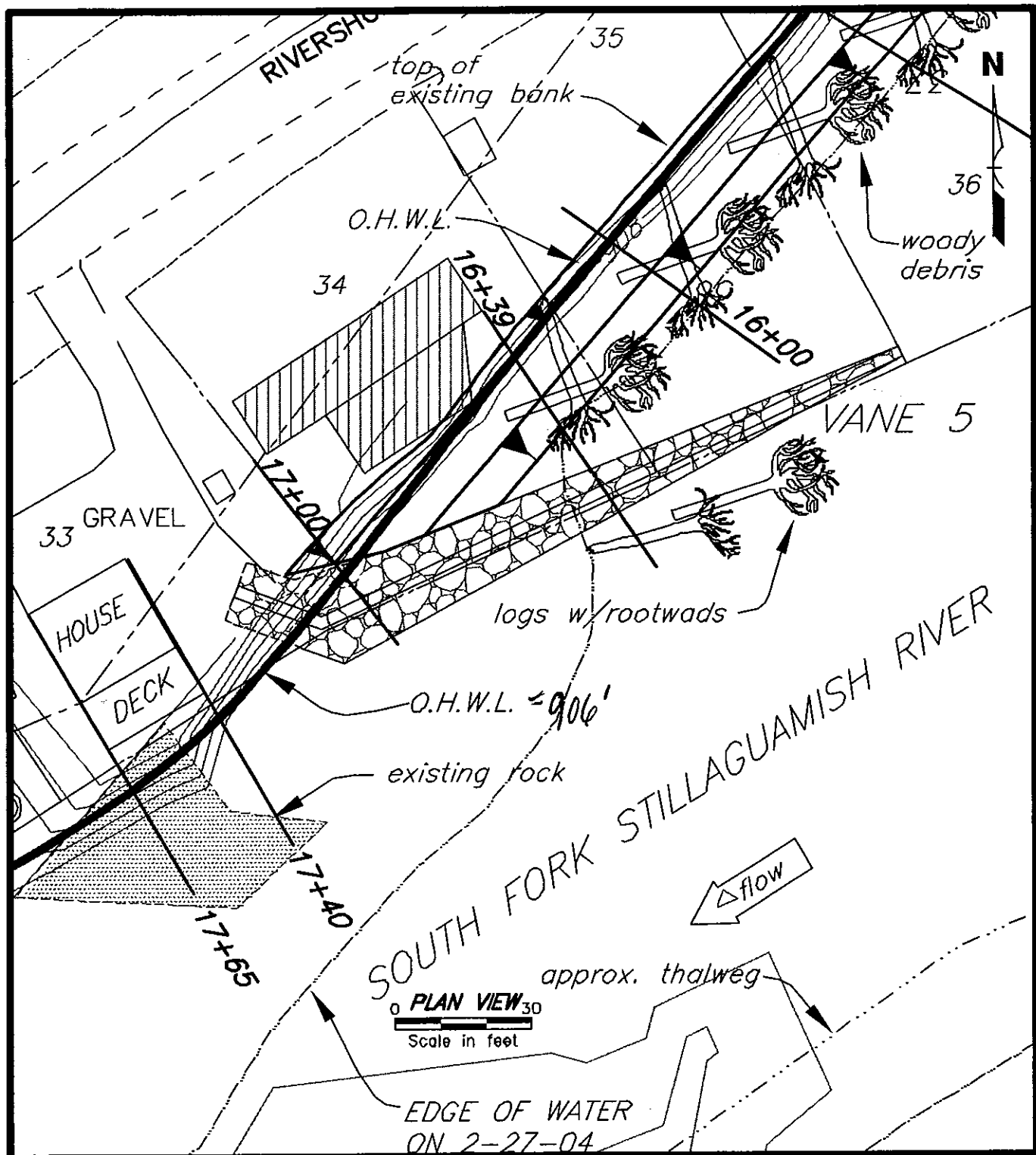
AT: RIVER MILE 45

COUNTY OF: SNOHOMISH STATE: WA

APPLICATION BY: SNOHOMISH COUNTY
PUBLIC WORKS

SHEET 1 OF 10 DATE: 2/11/05

File: 200500264



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WATERWAY: SOUTH FORK
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AT: RIVER MILE 45

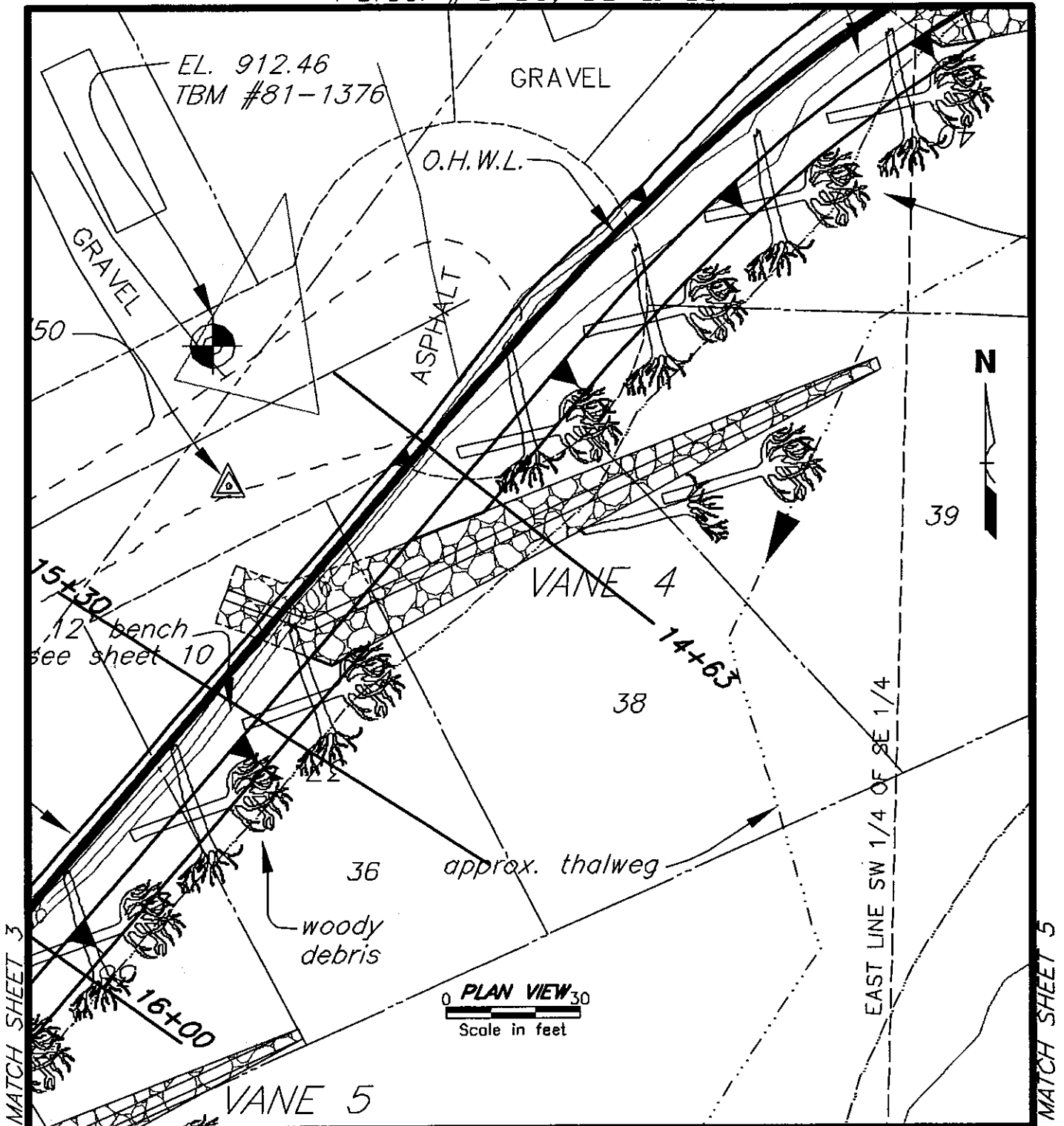
COUNTY OF: SNOHOMISH STATE: WA

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SHEET 3 OF 10 DATE: 2/11/05

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Parcel #'s 36, 38 & 39



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WATERWAY: SOUTH FORK
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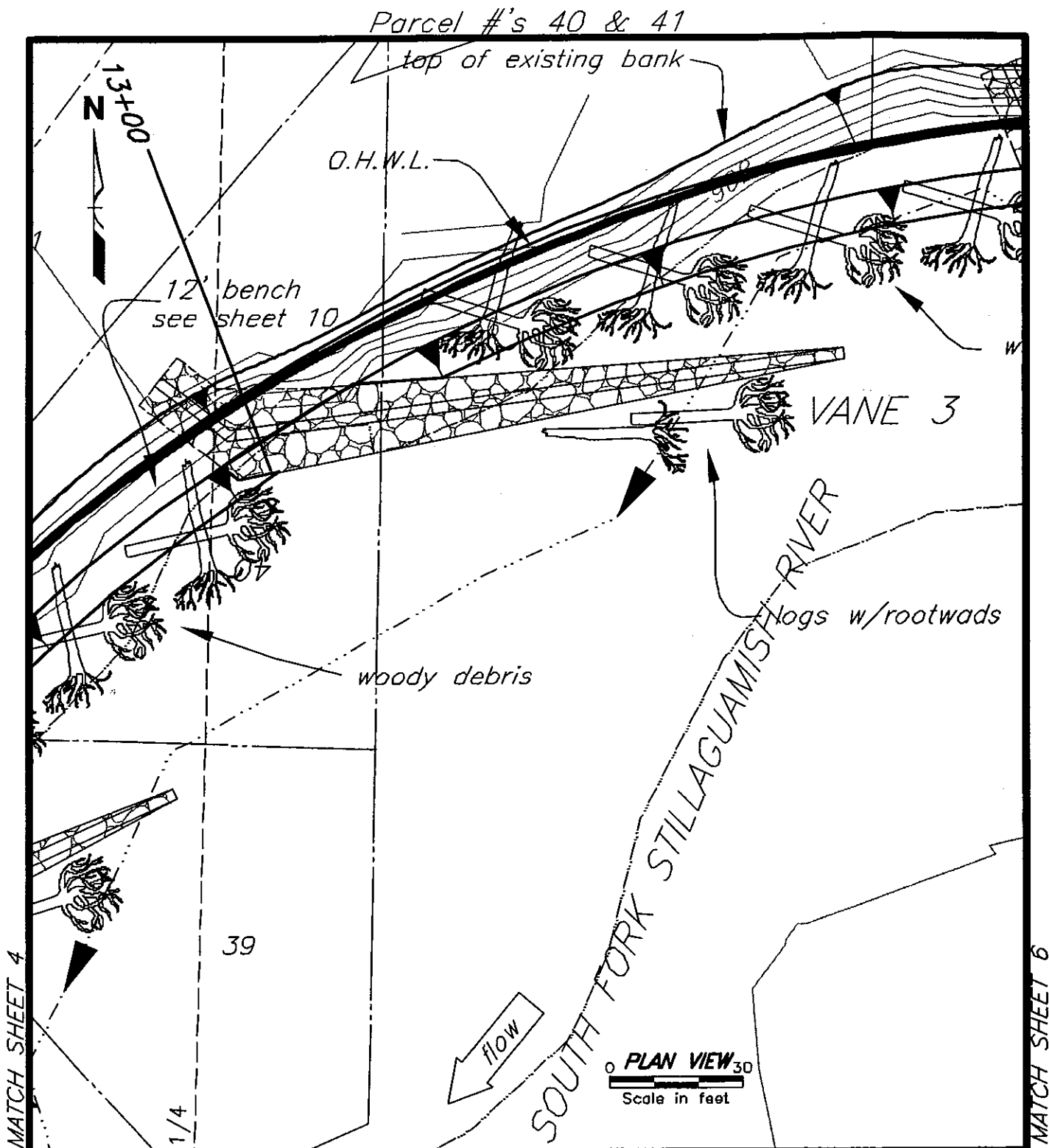
AT: RIVER MILE 45

COUNTY OF: SNOHOMISH STATE: WA

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WATERWAY: SOUTH FORK
STILLAGUAMISH RIVER

AT: RIVER MILE 45

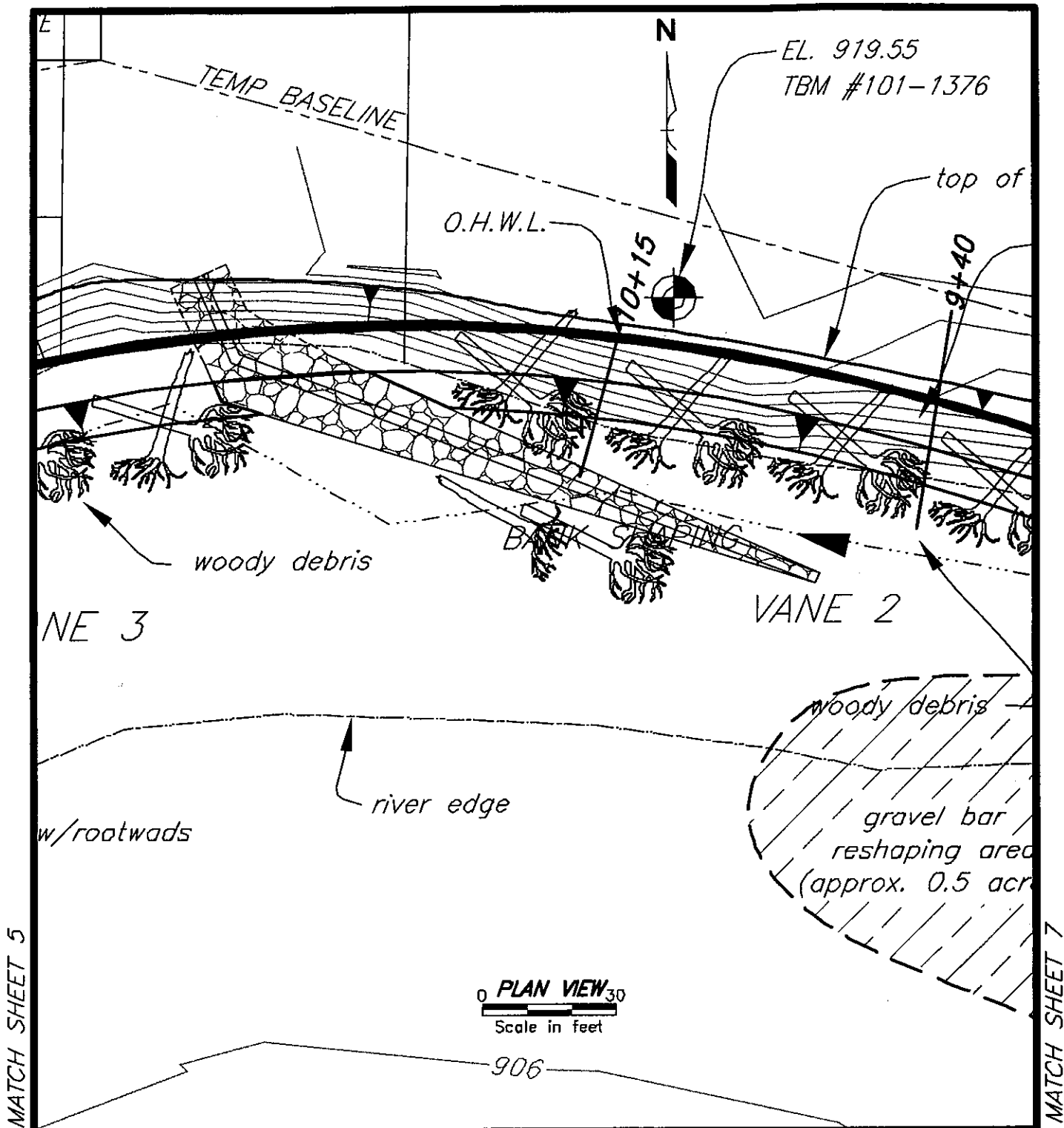
COUNTY OF: SNOHOMISH STATE: WA

APPLICATION BY: SNOHOMISH COUNTY
PUBLIC WORKS

SHEET 5 OF 10

DATE: 2/11/05

File: 200500264



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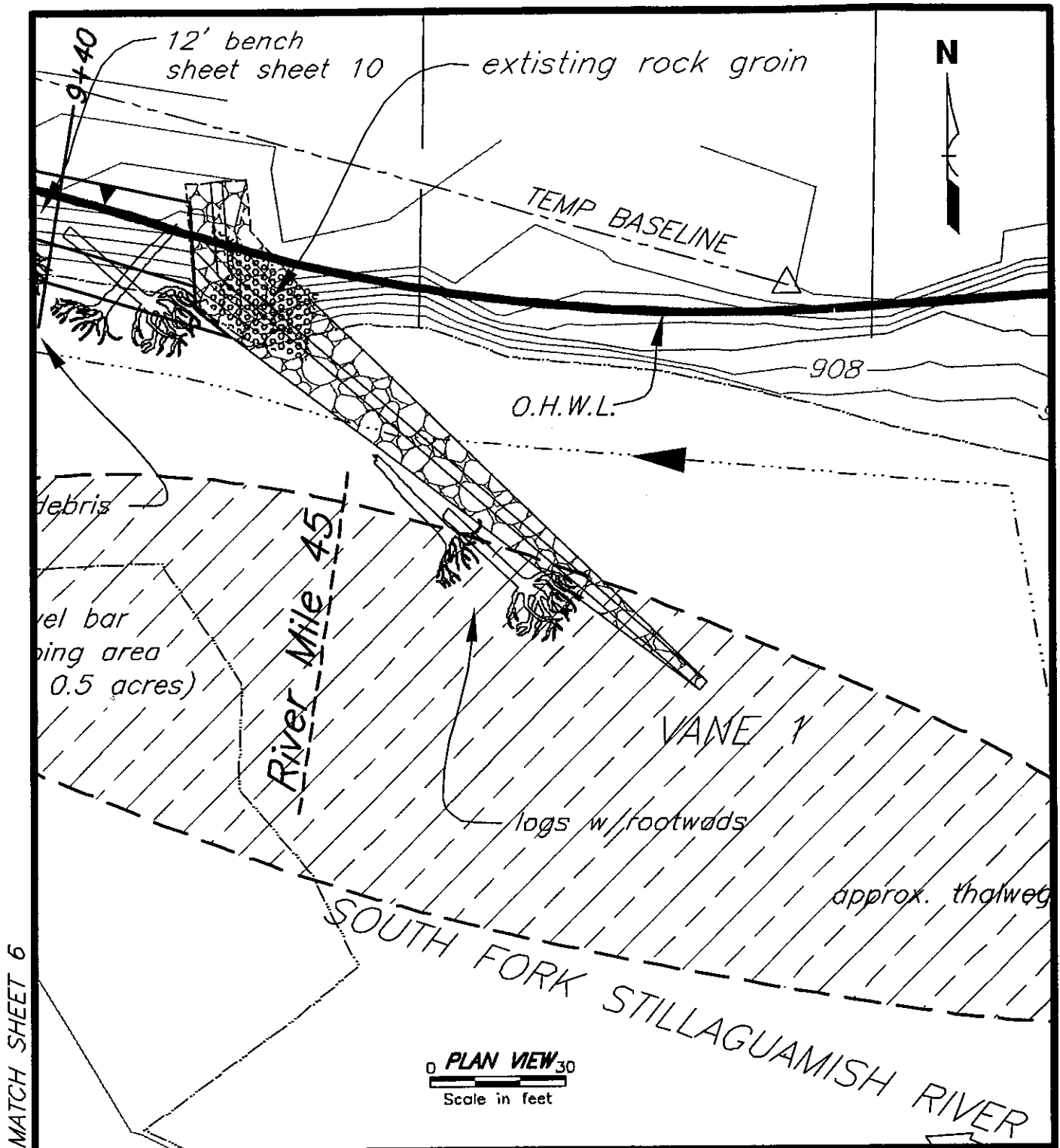
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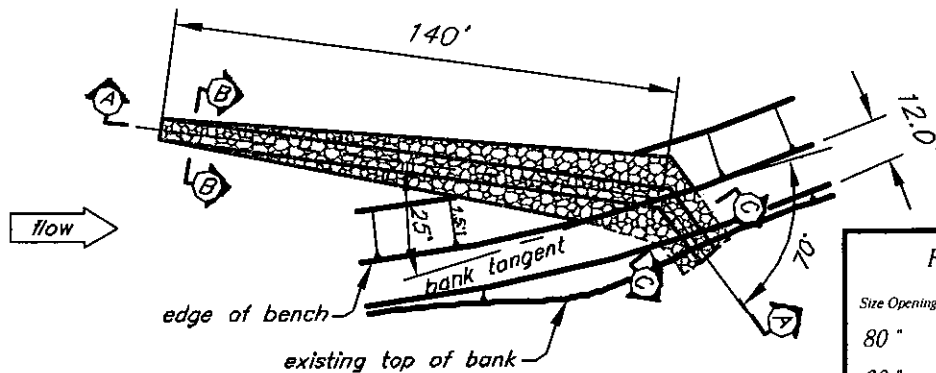
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SHEET 7 OF 10

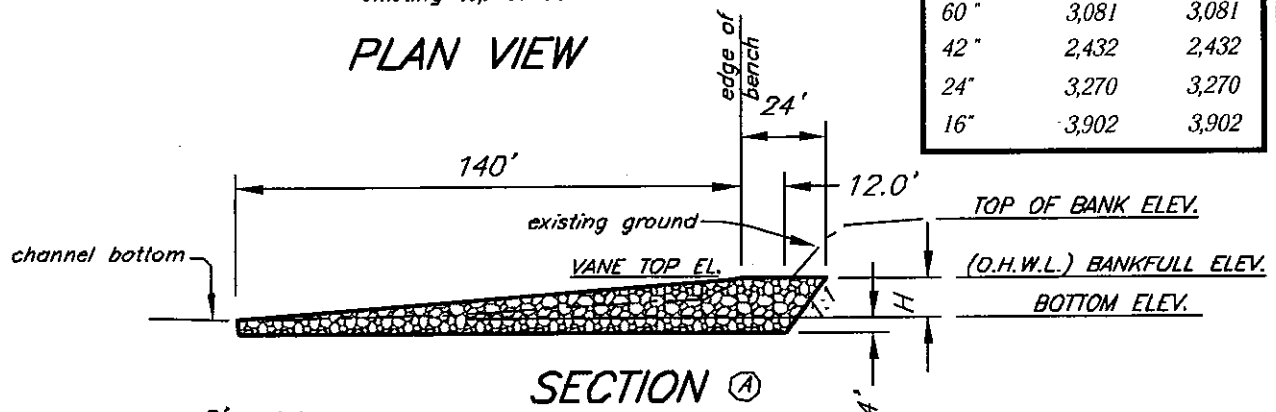
DATE: 2/11/05

File: 200500264

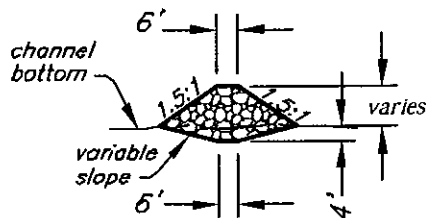


PLAN VIEW

Rock Gradation		
Size Opening	Approx. Weight (lbs)	# Passing
80 "	3,565	3,565
60 "	3,081	3,081
42 "	2,432	2,432
24 "	3,270	3,270
16 "	3,902	3,902



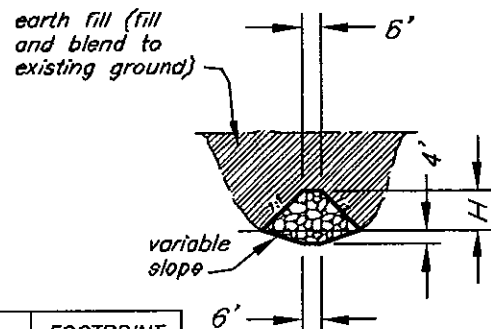
SECTION A



SECTION B

VANE INFORMATION TABLE

VANE NO.	VANE TOP ELEVATION (FEET)	TOP OF BANK ELEVATION (FEET)	CHANNEL BOTTOM ELEVATION (FEET)	H (FEET)	CY	FOOTPRINT AREA (SQ. FT.)
1	910.0	918	900	10.0	1,120	3,565
2	909.2	920	901	8.2	896	3,081
3	908.2	914	902.5	5.7	632	2,432
4	907.9	911	899	8.9	979	3,270
5	906.3	910	895	11.3	1,301	3,902



SECTION C

root wads / woody debris not shown on this sheet



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WATERWAY: SOUTH FORK
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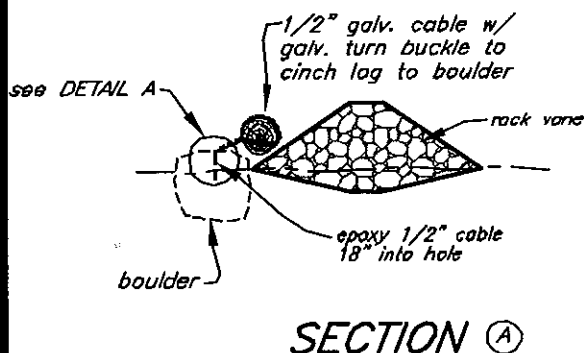
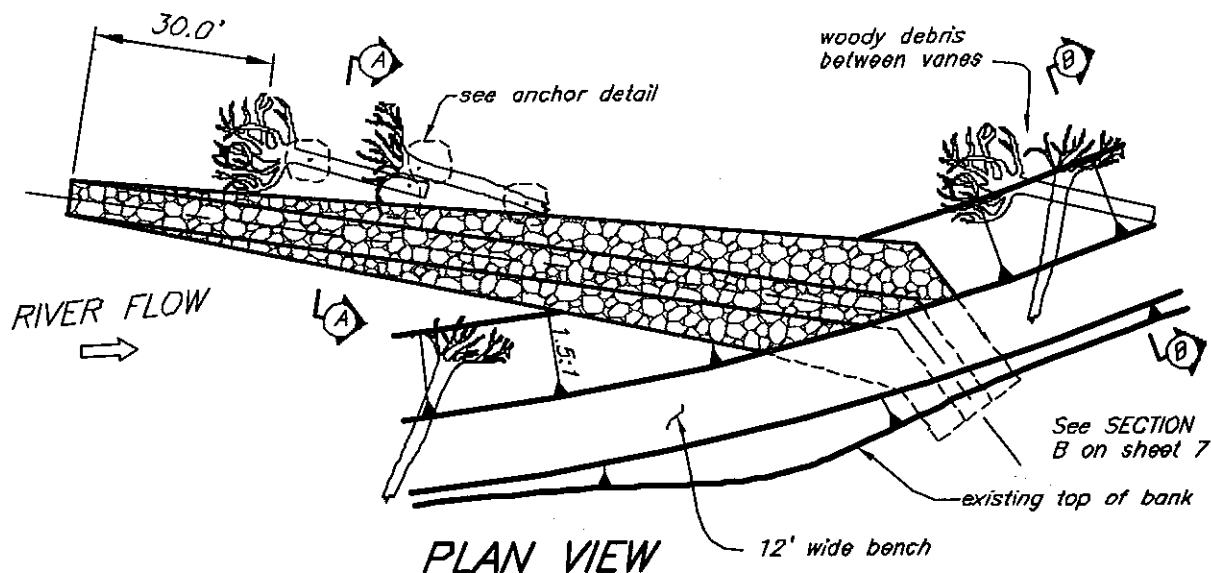
AT: RIVER MILE 45

COUNTY OF: SNOHOMISH STATE: WA

APPLICATION BY: SNOHOMISH COUNTY
PUBLIC WORKS

SHEET 8 OF 10 DATE: 2/11/05

File: 200500264

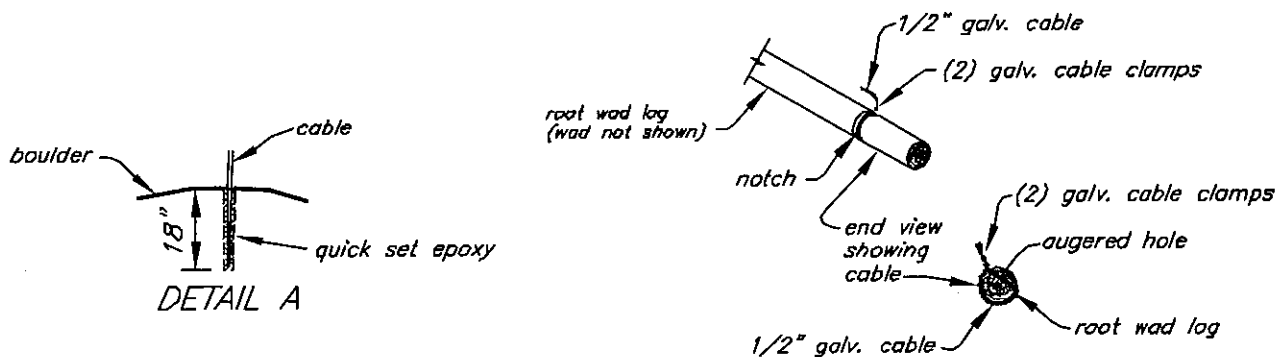


42 root wads with 30" DBH, shall be 20 feet in length, and shall be anchored through a hole augered in the log, then lapped around the log and clamped back onto itself. Approximately 3.34 Cubic Ft/LF of shoreline, 2640 Cubic Ft. total LWD.

A minimum of two clamps shall be used to fasten the cable to the log to prevent slippage.

Two 48 inch boulders to be anchored to each log.

Woody material shall be anchored tightly so they do not float or move. Use of a turnbuckle can be used to cinch the material to the boulder.



ANCHOR DETAIL

DRAWING NOT TO SCALE

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WATERWAY: SOUTH FORK
STILLAGUAMISH RIVER

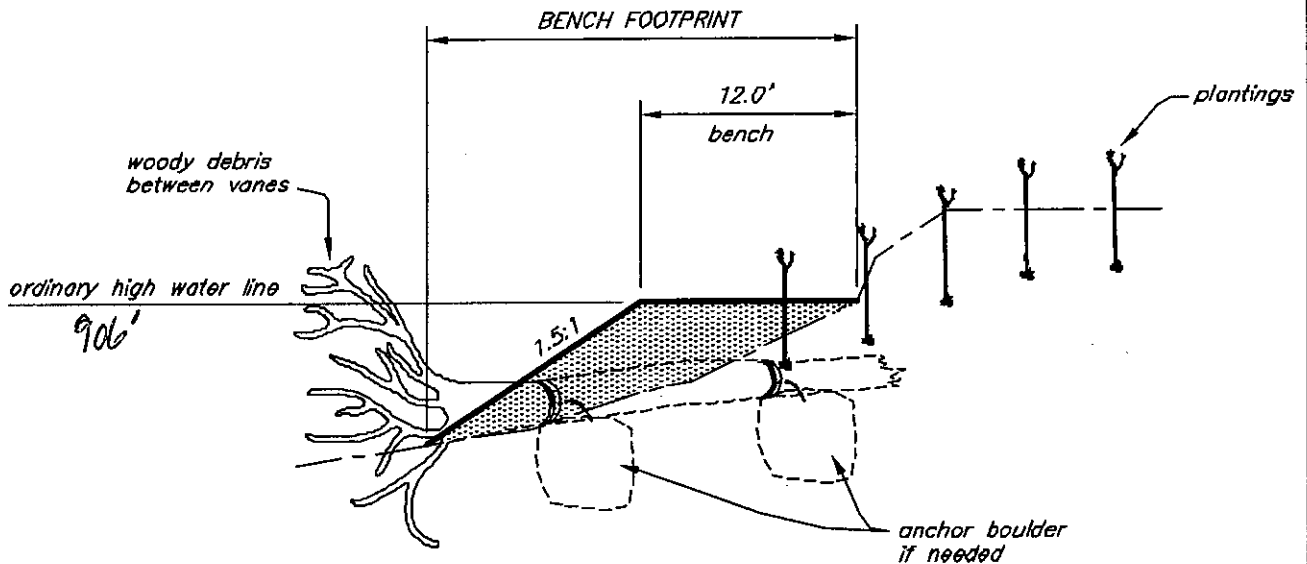
AT: RIVER MILE 45

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PUBLIC WORKS

SHEET 9 OF 10 DATE: 2/11/05

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SECTION ⑧

taken from sheet 9

Bench material is composed of river cobble material excavated from structure placement and gravel bar shaping.

BENCH FOOTPRINT AREA = 0.46 acres

CY = 2000

NOT TO SCALE

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STILLAGUAMISH RIVER

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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

*P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006*

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Notice of Application for
Water Quality Certification

Date: April 20, 2005

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 401 of the federal Clean Water Act of 1977 (PL 95-217), to certify that the project described in the U.S. Army Corps of Engineers Public Notice No. 200500264 will comply with the Sections 301, 302, 303, 306, and 307 of the Act, and with applicable provisions of State and Federal water pollution control laws.

Any person desiring to present views on the project pertaining to compliance with water pollution control laws may do so by providing written comments within 30 days of the above publication date to:

Federal Permit Coordinator
Department of Ecology
SEA Program
Post Office Box 47600
Olympia, Washington 98504-7600